

CALL TO DUTY: BOOTS ON THE GROUND

11 • APRIL • 2007

AUSA's Institute of Land Warfare (ILW)

Breakfast 2007

LandWarNet On Point...

Knowledge Dominance Through Collaboration and Information Superiority.



LTG Steven W. Boutelle
CHIEF INFORMATION OFFICER/G-6





Digital Native Global Insurgents

Ubiquitous

Pervasive

Terrorist-related Web sites**

- 1997 = 12
- 2007 > 5,000

Anonymous

In the snow-draped mountains near Jalalabad in November 2001, as the Taliban collapsed and al Qaeda lost its Afghan sanctuary, Osama bin Laden biographer Hamid Mir watched "every second al Qaeda member carrying a laptop computer along with a Kalashnikov" as they prepared to scatter into hiding and exile.**

an al Qaeda operative "no longer has to carry anything that's incriminating. He doesn't need his schematics, he doesn't need his blueprints, he doesn't need formulas." Everything is posted on the Web or "can be sent ahead by encrypted Internet, and it gets lost in the billions of messages that are out there."**

al Qaeda - the first guerrilla movement in history to migrate from physical space to cyberspace

- suicide bombers & ambush units in Iraq access the Web for training and tactical support
- massive and dynamic online library of training materials -- some supported by experts who answer questions on message boards or in chat rooms –
 - mix ricin poison,
 - make a bomb from commercial chemicals,
 - pose as a fisherman and sneak through Syria into Iraq,
 - shoot at a U.S. soldier,
 - navigate by the stars while running through a night-shrouded desert. **

**Terrorists Turn to the Web as Base of Operations
Steve Coll and Susan B. Glasser
Washington Post Staff Writers
7 August 2005



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- ARABIC TRANSLATORS WE NEED YOU!
- US Veto Blocks Israel's Masacre
- Mortars Weapon Of Choice In Iraq
- Germany Weighs War Crimes Charges Against Rumsfeld
- Bush To Mujahideen: Don't Look At Vote As Lack Of Will
- Brits To Quit Iraq 'In A Year'
- More Autocrits Fly To Their Deaths
- US Offers \$50,000 For Captured Soldier
- Small Blessings: Rumsfeld Gulfs
- US Congress Gets Kufi "Muslim"



FROM THE REGION

- ARABIC TRANSLATORS WE NEED YOU!
- Black Hite US Restaurant In Indonesia
- Lebanon Government Talks Collapse
- Iran To Arm Enemies Of Israel
- Another Assassination

IN THEATRE

Interview With Chechen Commander Abu Hafz: "Youth Is Going Out For Jihad"

The Islamic Chechen Republic continues its war with Russia that began long before Iraq and Afghanistan, adding to what has now become a global jihad. Vakit Newspaper sat down with Abu Hafz, a Chechen Commander to gain insight into the jihad phenomena. [More...](#)

More Martyrdom Attacks Reported By The Media Committee Of The Islamic State of Iraq

Martyrdom attacks continue to be the weapon of choice for Mujahideen fighting in defense of the newly formed Islamic State of Iraq as witnessed by reports received from the Islamic State of Iraq that detail several deadly attacks and left more soldiers dead. [More...](#)

VIDEO: Jaish Al-Islami Making A Direct Hit Completely Destroying US Tank

Here is a video clip of Jaish Al-Islami striking a US Humvee with IEDs outside of Baghdad that sends the vehicle flying through the air before it lands in pieces, upside down. Please be patient as this short but startling video downloads to your computer. [More...](#)

US Troops Murder Six Residents Of Hit; Bomb Kills three In Iraq's Anbar Province

US occupation forces raided homes in the ash-Shurta, al-'Ummal, and al-Askan neighborhoods of Hit, killing six local civilians, stabbing them with their bayonets in their homes in what is widely believed to avenge the killing of six American Marines on Friday. [More...](#)

VIDEO: US Soldiers Scared Stiff In Operation In Iraq's Anbar Province

Here is a rare video clip filmed inside a US patrol vehicle as they conduct an operation in Anbar Province. Rest assured these Americans won't sleep nights or choose to "stay the course" after witnessing their comrades being blown up right in front of them. [More...](#)

Carrot And Stick: Hamas Chooses "Peace Conference" Over "La Ilaha Illala"

Well it was only a matter of time before the Impotent Hamas government agreed to talks with Israel following the US vetoing yet another UN resolution that condemned the latest Israeli massacre in Gaza that killed more 50 Palestinians. [More...](#)



- ARABIC TRANSLATORS WE NEED YOU!
- "Every Inch Of Iraq Will Be Covered With US Bodies..."
- Military Operations In Baghdad And Diyala
- Mujahideen Attacking The US Faloon Base
- Resistance Strikes Back Ramadi
- America Plans To Give Southern Iraq To Iran
- Firefight In Chechnya Leaves Fourteen Dead
- Taliban Carry Out Martyrdom Operation; US Casualties
- The Islamic State Of Iraq Media Arm
- Video: Mujahideen Burn Supply Truck Along With US Flag



PALESTINE/ISRAEL

- ARABIC TRANSLATORS WE NEED YOU!
- US Engineer Indicted For Passing Secrets To Israel
- How Israel Put Gaza Civilians In Firing Line
- Iran To Hit Back If Israel Attacks
- 48 Palestinians Dead In Zionist Assault

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Department of Defense Networks

Commercial Technology Inside

Software Applications



Computing Equipment



Network Equipment



Public Network Carriers





Moving to "Everything over IP (EoIP)"

- FIRST ... the Joint Special Operations Command - Fort Bragg
- THEN the Joint Communications Support Element - MacDill AFB
 - Iraq
 - Afghanistan
- JNN to WIN-T



Data

Voice

Secure Networks

Converged IP

Video Teleconferencing

Unclassified Networks

- Everything over Internet Protocol
 - Scalable
 - Flexible
 - Efficient
 - Less cost, smaller footprint, less people.
 - EoIP will converge & reduce training requirements

Current Circuit Based & Telephony Capability



Everything Over IP (EOIP) Refit



JOINT COMMUNICATIONS SUPPORT ELEMENT

To address inefficiencies of traditional bandwidth allocations.....migrate everything to EoIP



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The Army LandWarNet





The World we live in...





The World we live in...





The World we live in...





The World we live in...

During leadership training, "foreign" military students use technology collaboration tools as a way of life, while the U.S. students do not....

YouTube Islam
Share Islam Videos

skype™

Collaboration

myspace®
a place for friends



The World we live in...





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The World we live in...





Educating our Sr. Leaders ...Enabling Battle Command Workshop

Background

- Full 2-day workshop
- Started – 26 Aug 05
- Workshops held – 15
- Future scheduled – 6



**All General Officers will
attend this workshop**

Purpose

- Focus on networked information systems and technologies
- Provide technical background needed to make employment and resource decisions

Attendees to date

- Former SecArmy
- 4-Star GOs – 3 (CSA, VCSA, TRADOC)
- SMA, TRADOC CSM, G-6 CSM
- Army/Army Reserve GO's – 281
- Army SES's – 15
- Other GO's – 3 (3-Navy, 2-AF, 6-Marine)
- Other SES's – 4 (1-Air Force, 3-Marine)
- Senator
- House Armed Services Committee – 2
- Congressional Staffer - 3

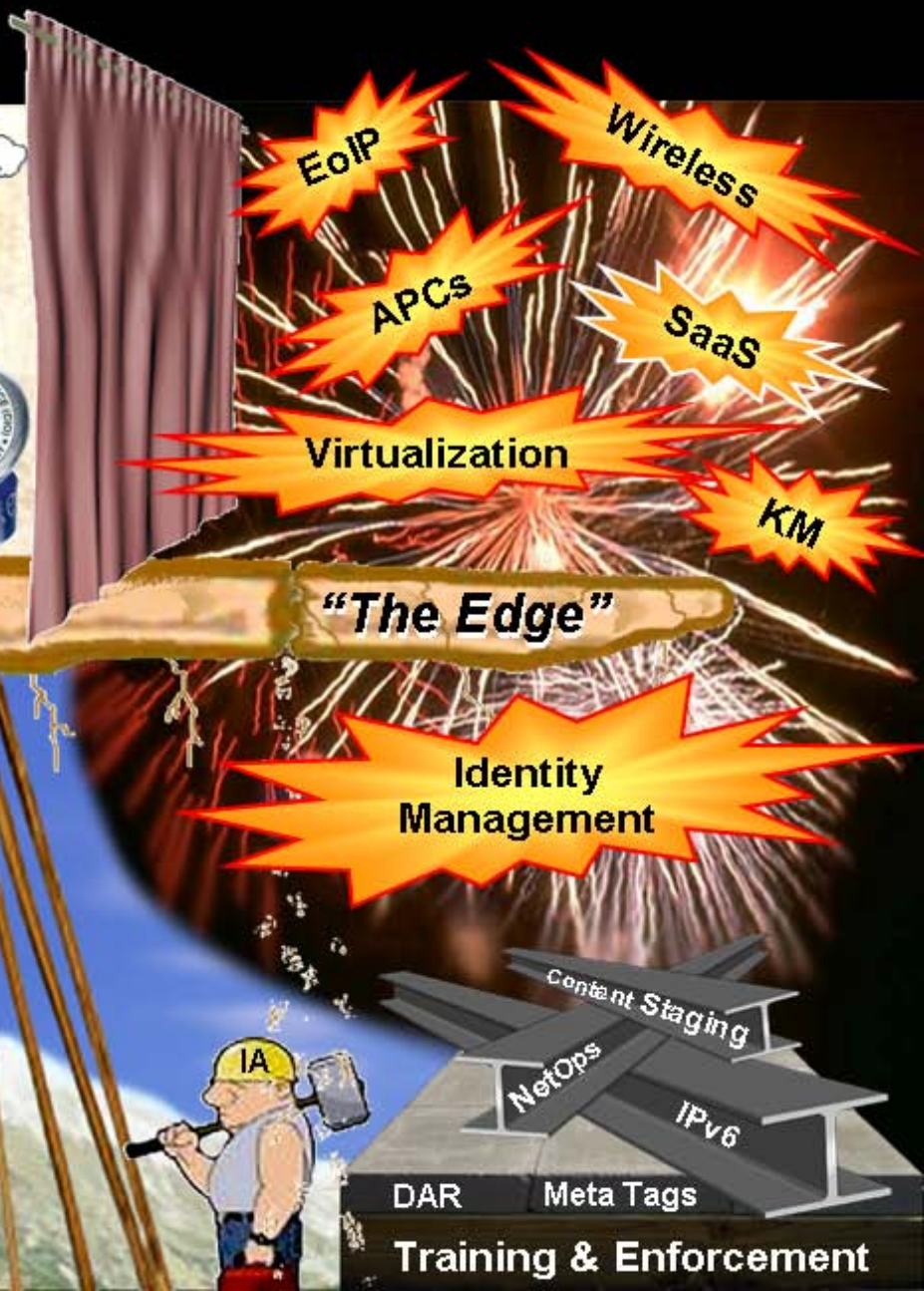


Discussion points

- Information Assurance
- Battle Command
- Intel Systems
- Army Knowledge Management
- Future Combat Systems



Looking into the future





Pushing to the edge....



"Power to the Edge"

-- John Stenbit, former ASD NII

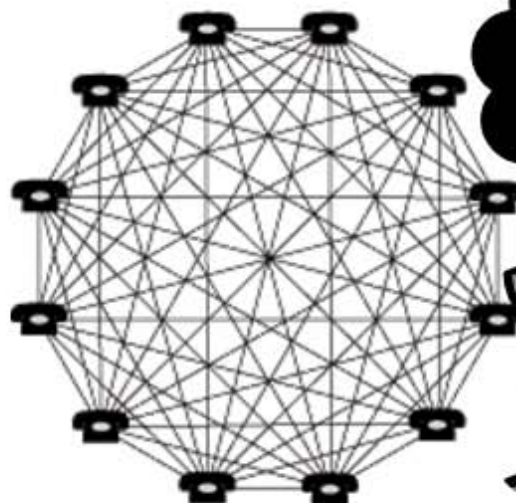
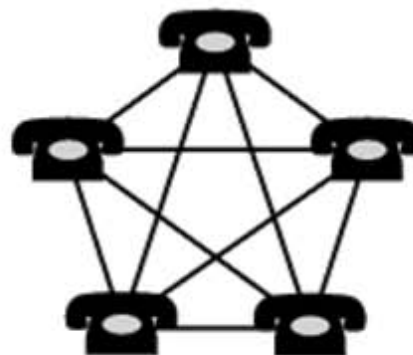
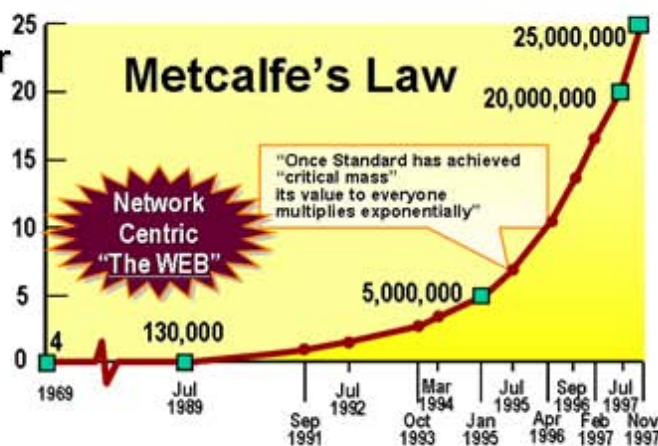
Network Enabled Warfare....

....or....

Metcalfe's Law "the network effect"



"The usefulness, or utility, of a network equals the square of the number of users"



What does this mean for the warfighter?



Pushing to the edge....

**Generates
combat
power!!**



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QUESTIONS/THOUGHTS



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